

U. S. Officials Only

SECRET

FLD  
434CENTRAL INTELLIGENCE AGENCY  
**INFORMATION REPORT**

COUNTRY Germany (Soviet Zone)

SUBJECT Development of Electronic Microscope at HF Werke

PLACE ACQUIRED  
(BY SOURCE)DATE ACQUIRED  
(BY SOURCE)

DATE (OF INFO.) 8 Nov 53

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793 AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVELATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. THE REPRODUCTION OF THIS REPORT IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

25X1A  
REPORT NO. [REDACTED]

RESPONSIVE TO	
25X1A	2
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

DATE DISTR. 28 Dec 53

NO. OF PAGES 1

NO. OF ENCLS.

SUPP. TO  
REPORT NO.25X1X  
[REDACTED]

1. A table size electronic microscope is under development in the HF Werke at Berlin-Oberschöneweide. It is a line-of-flux instrument and is fitted with permanent magnets. The resolving power at present is 5 my, but it will have a resolving power of 2 my.
2. Production of the UCH 81 tube, which had been hampered until now by heating filament troubles (heated to 100 milliamperes), has finally attained large scale production. In October 1953 12,700 tubes were manufactured. The UCH 81 has a rimlock socket.

- end -

613.482 4M/C  
744.711 4M/CU. S. Officials Only  
SECRET

DISTRIBUTION →	STATE	ARMY	NAVY	AIR	FBI				
----------------	-------	------	------	-----	-----	--	--	--	--